



**THE DATASHEET OF
3N255-M**


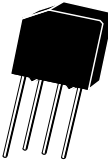
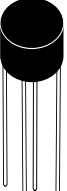
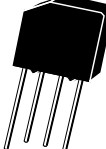
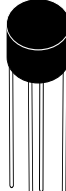


Bridge Rectifiers, General Purpose

Single Phase, Full Wave

1.0 to 35 Amperes

100 to 1000 Volts

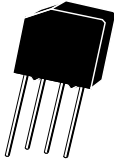
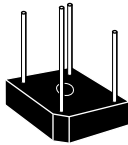
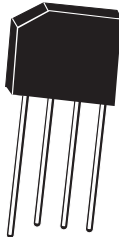
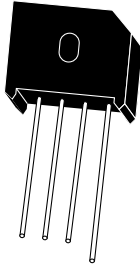
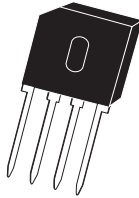
I_O (AMPS)	1.0		1.5		2.0
@ T_A (°C)	50	75	50	50	55
@ T_C (°C)					
I_{FSM} (AMPS)	50	30	50	50	60
CASE	 DIP	 CASE B-M	 CASE A	 CASE B-M	 CASE A
V_{RRM} (VOLTS)					
100	CBR1-D010	3N247-M	CBR1-010	CBR1-L010M	CBR2-010
200	CBR1-D020	3N248-M	CBR1-020	CBR1-L020M	CBR2-020
400	CBR1-D040	3N249-M	CBR1-040	CBR1-L040M	CBR2-040
600	CBR1-D060	3N250-M	CBR1-060	CBR1-L060M	CBR2-060
800	CBR1-D080	3N251-M	CBR1-080	CBR1-L080M	CBR2-080
1000	CBR1-D100	3N252-M	CBR1-100	CBR1-L100M	CBR2-100

V_F MAX @ I_F	1.1V @ 1.0A	1.3V @ 3.14A	1.0V @ 1.0A	1.0V @ 1.0A	1.1V @ 2.0A
I_R MAX @ V_{RRM}	10 μ A	10 μ A	10 μ A	10 μ A	10 μ A

Central
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Bridge Rectifiers, General Purpose (Continued)

I_O (AMPS)	2.0		3.0	4.0		
@ T_A (°C)	55	55	2.0 @ 25	50	4.0 @ 25	
@ T_C (°C)			3.0 @ 50		8.0 @ 100	100
I_{FSM} (AMPS)	60	55	50	200	300	150
CASE	 CASE B-M		 CASE C	 CASE D	 CASE DM	 CASE DMM
V_{RRM} (VOLTS)						
100	CBR2-L010M	3N254-M	CBR3-P010	CBR4-L010	CBR4M-L010	CBR4M-L010M
200	CBR2-L020M	3N255-M	CBR3-P020	CBR4-L020	CBR4M-L020	CBR4M-L020M
400	CBR2-L040M	3N256-M	CBR3-P040	CBR4-L040	CBR4M-L040	CBR4M-L040M
600	CBR2-L060M	3N257-M	CBR3-P060	CBR4-L060	CBR4M-L060	CBR4M-L060M
800	CBR2-L080M	3N258-M	CBR3-P080	CBR4-L080	CBR4M-L080	CBR4M-L080M
1000	CBR2-L100M	3N259-M	CBR3-P100	CBR4-L100	CBR4M-L100	CBR4M-L100M

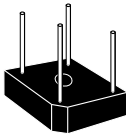
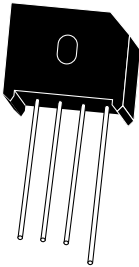
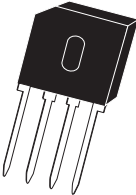
V_F MAX @ I_F	1.1V @ 2.0A	1.1V @ 3.0A	1.1V @ 1.5A	1.1V @ 3.0A	1.1V @ 6.28A	1.0V @ 4.0A
I_R MAX @ V_{RRM}	10 μ A	10 μ A	10 μ A	10 μ A	10 μ A	5.0 μ A

Bridge Rectifiers, General Purpose (Continued)

I_O (AMPS)	6.0			
@ T_A (°C)	50	50	50	
@ T_C (°C)		100	100	100
I_{FSM} (AMPS)	200	250	150	175
CASE	 CASE D	 CASE DM	 CASE CM	 CASE DMM
V_{RRM} (VOLTS)				
100	CBR6-L010	CBR6M-L010	CBR6-010	CBR6M-L010M
200	CBR6-L020	CBR6M-L020	CBR6-020	CBR6M-L020M
400	CBR6-L040	CBR6M-L040	CBR6-040	CBR6M-L040M
600	CBR6-L060	CBR6M-L060	CBR6-060	CBR6M-L060M
800	CBR6-L080	CBR6M-L080	CBR6-080	CBR6M-L080M
1000	CBR6-L100	CBR6M-L100	CBR6-100	CBR6M-L100M
V_F MAX @ I_F	1.1V @ 3.0A	1.0V @ 6.0A	1.1V @ 3.0A	1.0V @ 6.0A
I_R MAX @ V_{RRM}	10 μ A	10 μ A	10 μ A	5.0 μ A

Bridge Rectifiers, General Purpose

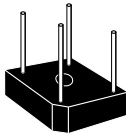
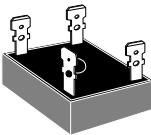
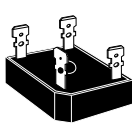
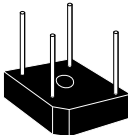
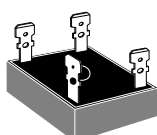
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I_O (AMPS)	8.0			10
@ T_A (°C)	50	50		
@ T_C (°C)	100	100	100	100
I_{FSM} (AMPS)	125	300	200	150
CASE	 CASE E	 CASE DM	 CASE DMM	 CASE CM
V_{RRM} (VOLTS)				
100	CBR8-010	CBR8M-L010	CBR8M-L010M	CBR10-J010
200	CBR8-020	CBR8M-L020	CBR8M-L020M	CBR10-J020
400	CBR8-040	CBR8M-L040	CBR8M-L040M	CBR10-J040
600	CBR8-060	CBR8M-L060	CBR8M-L060M	CBR10-J060
800	CBR8-080	CBR8M-L080	CBR8M-L080M	CBR10-J080
1000	CBR8-100	CBR8M-L100	CBR8M-L100M	CBR10-J100

V_F MAX @ I_F	1.1V @ 4.0A	1.0V @ 8.0A	1.0V @ 8.0A	1.2V @ 5.0A
I_R MAX @ V_{RRM}	10 μ A	10 μ A	5.0 μ A	10 μ A

Bridge Rectifiers, General Purpose

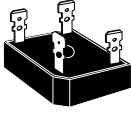
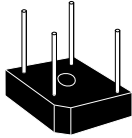
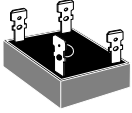
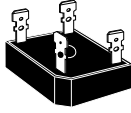
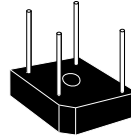
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I_O (AMPS)	10				25
@ T_A (°C)					
@ T_C (°C)	80	60	60	60	60
I_{FSM} (AMPS)	150	300	300	300	350
CASE					
	CASE E	CASE F	CASE FP	CASE FPW	CASE F
100	CBR10-P010	CBR10-010	CBR10-010P	CBR10-010PW	CBR25-010
200	CBR10-P020	CBR10-020	CBR10-020P	CBR10-020PW	CBR25-020
400	CBR10-P040	CBR10-040	CBR10-040P	CBR10-040PW	CBR25-040
600	CBR10-P060	CBR10-060	CBR10-060P	CBR10-060PW	CBR25-060
800	CBR10-P080	CBR10-080	CBR10-080P	CBR10-080PW	CBR25-080
1000	CBR10-P100	CBR10-100	CBR10-100P	CBR10-100PW	CBR25-100

V_F MAX @ I_F	1.2V @ 5.0A	1.2V @ 5.0A	1.2V @ 5.0A	1.2V @ 5.0A	1.2V @ 12.5A
I_R MAX @ V_{RRM}	10 μ A	10 μ A	10 μ A	10 μ A	10 μ A

Bridge Rectifiers, General Purpose

(Continued)

I_O (AMPS)	25		35		
@ T_A (°C)					
@ T_C (°C)	60	60	60	60	60
I_{FSM} (AMPS)	350	350	400	400	400
CASE	 CASE FP	 CASE FPW	 CASE F	 CASE FP	 CASE FPW
V_{RRM} (VOLTS)					
100	CBR25-010P	CBR25-010PW	CBR35-010	CBR35-010P	CBR35-010PW
200	CBR25-020P	CBR25-020PW	CBR35-020	CBR35-020P	CBR35-020PW
400	CBR25-040P	CBR25-040PW	CBR35-040	CBR35-040P	CBR35-040PW
600	CBR25-060P	CBR25-060PW	CBR35-060	CBR35-060P	CBR35-060PW
800	CBR25-080P	CBR25-080PW	CBR35-080	CBR35-080P	CBR35-080PW
1000	CBR25-100P	CBR25-100PW	CBR35-100	CBR35-100P	CBR35-100PW
V_F MAX @ I_F	1.2V @ 12.5A	1.2V @ 12.5A	1.2V @ 17.5A	1.2V @ 17.5A	1.2V @ 17.5A
I_R MAX @ V_{RRM}	10 μ A	10 μ A	10 μ A	10 μ A	10 μ A

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